## AMENDMENTS TO CLAIMS

1. (Currently Amended) A flat induction motor for driving a part of an apparatus, comprising:

a disc-shaped flat metal rotor including two axially opposite principal surfaces and a plurality of slots that extend into ~~the rotor~~ at least one of the principal surfaces and that are distributed around ~~a center~~ a single axis of rotation of the rotor in a generally circular configuration, said rotor being arranged to rotate around ~~a~~ the single axis of rotation;

a stator including a plurality of coil means positioned near the rotor to cause rotation of the rotor by magnetic interaction therewith;

energy controlling commutation means for controlling driving of the rotor by:

- detecting a position of said slots in order to detect a position of said rotor relative to said coils, and
- causing current to pass through said coil means based on the detected position of said slots ~~in order to cause rotation, and control driving, of the rotor~~,

wherein said rotor is the part of the apparatus to be driven by the motor.

2. (Previously Presented) The flat induction motor of claim 1, wherein said coil means is positioned along the side of metal parts of said rotor, in a circular configuration, or along at least a portion of the periphery of the motor.

3. (Previously Presented) The flat induction motor of claim 1, wherein said parts of said rotor form at least one spoke, a part of the hub or rim of a wheel of a vehicle.

4. (Previously Presented) The flat induction motor of claim 1, wherein said rotor is a part of a brake system for a wheel of a vehicle.

5. (Currently Amended) A flat induction motor for driving a part of an apparatus, comprising:

a flat metal induction rotor comprising a metal plate bent into a circular shape and including axially-opposite principal surfaces and a plurality of slots that extend into ~~the rotor~~ at

least one of the principal surfaces and that are distributed around the rotor, said rotor being arranged to rotate around a single axis of rotation;

a stator including a plurality of coil means positioned near the rotor to cause rotation of the rotor by magnetic interaction therewith;

energy controlling commutation means for controlling driving of the rotor by:

- detecting a position of said slots in order to detect a position of said rotor relative to said coils, and
- causing current to pass through said coil means based on the detected position of said slots ~~in order to cause rotation, and control driving, of the rotor~~,

wherein said rotor is the part of the apparatus to be driven by the motor.

6. (Previously Presented) The flat induction motor of claim 5, wherein said coil means is positioned along the side of metal parts of said rotor, in a circular configuration, or along at least a portion of the periphery of the motor.

7. (Previously Presented) The flat induction motor of claim 5, wherein said parts of said rotor form a part of the hub or a part of the rim of a wheel of a vehicle.

8. (Previously Presented) The flat induction motor of claim 5, wherein said rotor is a part of a brake system for a wheel of a vehicle.

9. (Twice Amended) A flat induction motor for driving a part of an apparatus, comprising:

a flat metal induction rotor comprising a metal plate having a ring shape and including a plurality of slots that extend into the rotor and that are distributed around the rotor, said rotor being arranged to rotate around a single axis of rotation;

a stator including a plurality of coil means positioned near the rotor to cause rotation, and control a speed, of the rotor by magnetic interaction therewith;

energy controlling commutation means for controlling driving of the rotor by:

- detecting a position of said slots in order to detect a position of said rotor relative to said coils, and
- causing current to pass through said coil means based on the detected position of said slots ~~in order to cause rotation, and control driving, of the rotor~~,

wherein said rotor is the part of the apparatus to be driven by the motor.

10. (Previously Presented) The flat induction motor of claim 9, wherein said coil means is positioned along the side of metal parts of said rotor, in a circular configuration, or along at least a portion of the periphery of the motor.

11. (Previously Presented) The flat induction motor of claim 9, wherein said parts of said rotor form at least a part of the hub or rim of a wheel of a vehicle.

12. (Previously Presented) The flat induction motor of claim 9, wherein said rotor is a part of a brake system for a wheel of a vehicle.

13. (Previously Presented) The flat induction motor of claim 1, wherein said slots extend completely through said rotor.

14. (Previously Presented) The flat induction motor of claim 5, wherein said slots extend completely through said rotor.

15. (Previously Presented) The flat induction motor of claim 9, wherein said slots extend completely through said rotor.